WORKFLOW IMPROVED

Clinically proven electronic whiteboard and workflow tools result in time and cost savings and better patient experiences through improved communication and faster planning.
Designed By and For Busy Radiation Therapy Professionals

The creation of a radiation therapy treatment plan is a multi-step process involving many members of your team. As radiation treatment centers get larger, busier and sometimes geographically separated, keeping track of processes can be time consuming and difficult.

Developed in conjunction with a busy radiation oncology clinic, RT Workspace responds to the need for organization and improvement of the patient planning process. Workflow is improved and patient’s experience is enhanced through better communication, reduced waste and lower administrative costs.

RT Workspace is a real-time instant communication workflow tool that interacts with each team member in the department informing them of tasks to be done, and when steps in the patient process are complete. This type of interactive instant communication does not overlap record and verify systems and thus complements the progress of patient treatment workflow ensuring no patient arrives on the day of treatment with significant work left to be done.

More than a checklist, this functionality is installed on everyone’s computer ensuring a department wide solution without purchasing added licenses for R&V systems. Real time communication and interactivity set RT Workspace apart as a true complement to R&V systems without overlapping design.

RT Workspace Architecture

To be effective, a workflow tool must be readily available to all clinicians.

RT Workspace is classified as a two-tier client-server system, a computing architecture that stores and processes all information at a central location. This central server can be accessed from any computer on the network and can be easily backed up. Database transactions are completely automated and provide a secure, HIPPA compliant system.
Look at your department processes and what you do, and ask yourself if that’s as efficient and as transparent as it should be in a department where everyone works on patients and the whole team has to know what’s going on. RT Workspace makes that happen. I’m just impressed. It’s a good piece of work that really helps.

Case Ketting, MD
Radiation Oncologist
Improved workflow relies on improved communications. Many radiation treatment facilities today are dealing with increased workloads, larger facilities and geographic satellite sites. Because of this, traditional communications tools such as whiteboards, telephones, e-mail or fax are intrusive and inherently inefficient.

**Electronic Dosimetry Whiteboards**

RT Workspace solves these problems by computerizing the traditional whiteboard and putting it at the fingertips of every RT Workspace team member. The RT Workspace dosimetry boards track the plan through the process and as each step is completed the team member assigned to the next task is automatically notified and a to-do item is added to their list.

**Specialized Boards**

S
cialized electronic whiteboards are included for procedures such as LDR Brachytherapy and Radiosurgery for better workflow control of all planning processes. Detailed boards for the dosimetrist and medical physicist allow them to track tasks and procedures that need to be performed in order for the patient to start treatment.

- **Dosimetry-Summary Board**
  - The RT Workspace dosimetry board shows at a glance the disposition of any patient’s plan and can be sorted and/or filtered based on any column’s information.

- **Dosimetrist’s Board**
  - This board is commonly used by radiation therapists the day before a patient is scheduled to start to verify that all tasks necessary have been completed before the patient arrives.

- **Physicist’s Board**
  - This board provides an instant snapshot of where a patient is in the planning process. This board is commonly used by radiation therapists the day before a patient is scheduled to start to verify that all tasks necessary have been completed before the patient arrives.

- **General Planning Board**
  - This board provides an overview of the planning process and is used by the dosimetrist and physicist to track tasks and procedures that need to be performed.
RT Workspace can be used in the implementation of lean management techniques to eliminate waste and increase efficiency by optimizing workflow. Every step in the workflow process is time stamped and recorded in the secure RT workspace database so workflow analysis is only a click away. Workflow analysis tools built into RT Workspace highlight how you can become more productive and efficient and pinpoint where improvements to your process will have the most effect.

Detailed information about the time it takes to complete each step in the patient planning process allows you to identify where improvements are needed the most. Choose a date range and the workflow analysis module presents data such as the time between a CT scan and the plan being ready. View the data as an average of all team members that perform a task or view individual team member’s data for an in-depth analysis of department workflow. Multiple site users can also use this information to ‘load balance’ if one site has a large patient workload and another site has available capacity.

View your entire department’s average time to complete major tasks

View each group’s average time for their assigned tasks

View any individual’s average time to complete their tasks

Easily identify where improvements to workflow can be made
Communication Tools

As people get busier and locations become more diverse, communication may break down negatively impacting the patient experience and your processes. RT Workspace allows your team to communicate with each other in several very efficient ways.

Sticky notes

Anyone who has worked in an office in the last 20 years is familiar with the sticky note. RT Workspace has made the sticky note electronic so not only is it efficient, it is also ‘green’. With a couple of clicks you can place an electronic sticky note on any RT Workspace team member’s desktop, including your own. Choose your favorite color and even reply to sticky notes you have received. When you are done with it, simply delete it…no more wasted paper.

ToDo Lists

Each RT Workspace team member has a personal ToDo list that is shown in their Message Center. ToDo items are automatically added from the boards or can be manually added by any RT Workspace team member. You can even add items to your own list. At a glance you can see all tasks that have been assigned to you. You can also view any other team member’s ToDo list at the same time, a feature that can be used if you are covering for someone on vacation, as an example.

RT Workspace Secure Messaging

RT Workspace also features an integrated e-mail system. Because the messages that are sent between team members never leave the secure RT Workspace server environment they are completely HIPAA compliant so patient information can be included without concern.
Physics QA Tools

RT Workspace’s secure database is an ideal location to collect, store and analyze important physics data so it will be at your fingertips at any RT Workspace workstation.

Keep Track of Your Calibration Information

RT Workspace’s Equipment Manager stores important information, such as make, model and serial numbers, about your linear accelerators, ionization chambers, electrometers and survey instruments. The software also keeps track of calibration factors for each instrument, plots calibrations over time to check for trends and automatically reminds you when an instrument is due for a re-calibration.

Monthly Linear Accelerator QA (TG-40)

RT Workspace features a fully TG-40 compliant module for collecting and storing monthly linear accelerator QA information. For each machine and energy, measurement data is input and automatically adjusted for temperature and pressure, then checked against the reference value. You can also view a history of measurement data to determine if trends exist and if an issue may be on the horizon. Results for the TG-40 recommended tolerance and functional checks can also be entered, instantly alerting you if any parameters are outside of the recommended ranges.

Patient Specific IMRT QA

Create your own protocols and use the IMRT QA module to collect, store and create reports for patient specific IMRT QA. IMRT QA requests are generated automatically from the electronic whiteboards and pending QA’s are listed by patient in the IMRT QA module. Clicking on the patient’s name in the list automatically fills in the appropriate fields. The user then chooses the appropriate protocol, collects the data and creates a detailed report in either paper form or as a PDF for a fully integrated QA solution.

Electron Cutout Output Factor Calculations

It is a common practice when using electron cutouts to measure an output factor to accurately determine the monitor units required to deliver the desired dose. RT Workspace offers an efficient module for collecting the measured data and automatically calculating the output factor and monitor units. Measurements are stored and a detailed report can be printed or saved as a PDF file for inclusion in the patient record.
Scheduling and Calendars

RT Workspace is designed to be deployed facility wide and is therefore an ideal location to keep facility calendars and work schedules.

Department Calendar

Easily add important department events or recurring actions and invite others from your team to attend.

Department Schedules

As radiation treatment centers grow larger and more geographically dispersed, ensuring proper staff coverage becomes more difficult. RT Workspace helps resolve this issue with integrated department scheduling. Schedules can be created for any group such as the medical physicist or radiation therapist groups, so your team can view their schedules at a glance. Templates make creating subsequent schedules as simple as a single click. There is also a convenient calendar for team members to request absences providing a convenient tool for the administrator when creating schedules.

Setting a reminder will prompt all invited attendees at the appointed time.
Testimonials

“"I like being able to follow step-by-step where the patient is in their treatment or the planning process. It just really helps, it helps from dropping the ball on patients.""

Michelle Wolf, CMD
Lead Dosimetrist

“I couldn’t live without it anymore. It could be one of the most valuable pieces of software we use. The beauty of this system is that it is a dedicated system. By design it does not overlap with your other treatment planning or record and verify systems, which is actually a big advantage.”

Jonathan Stella, MD
Radiation Oncologist

“Look at your department processes and what you do, and ask yourself if that’s as efficient and as transparent as it should be in a department where everyone works on patients and the whole team has to know what’s going on. RT Workspace makes that happen. I’m just impressed. It’s a good piece of work that really helps.”

Case Ketting, MD
Radiation Oncologist

“I have really loved working with this incredibly user friendly software, and I honestly think it has improved the quality of care we are able to provide at this clinic.”

Candace Bletscher, MS
Medical Physicist

Integrate the QA Beamchecker™ Plus for Faster and More Convenient Electron Cutout Output Factor Measurements

RT Workspace can interface directly with the Standard Imaging QA BeamChecker Plus when used as the measurement device for cutout output measurements. Simply place the QA BeamChecker Plus on the treatment couch, collect in real-time mode and click the checkbox in the module. The QA BeamChecker Plus will arm itself and automatically enter measurement values into the appropriate RT Workspace field. Results are immediately calculated.

Visit www.standardimaging.com or call 800-261-4446 for more details.

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<tr>
<th><strong>RT Workspace Software SPECIFICATIONS</strong></th>
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<thead>
<tr>
<th>OPERATING SYSTEM</th>
<th>SCREEN RESOLUTION</th>
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<tbody>
<tr>
<td>CLIENT: Microsoft® Windows® 2000 SP3 or Microsoft® Windows® XP</td>
<td>800 x 600 (1024 x 768 recommended)</td>
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<tr>
<td>SERVER: Microsoft® Windows® XP or Windows® Server 2003</td>
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| CD-ROM DRIVE | 2X speed or greater |
| SCREEN COLOR DEPTH | 256 colors or greater |
| PRODUCT STANDARDS | Designed to meet IEC 60601-1-4 |
| RECOMMENDED SOFTWARE | Microsoft Excel |

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